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## Fasteners — Hexagon regular nuts (style 1)

*Fixations — Écrous normaux hexagonaux (style 1)*



Reference number  
ISO 4032:2023(E)

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 12, *Fasteners with metric internal thread*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 185, *Fasteners*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 4032:2012) which has been technically revised.

The main changes are as follows:

- nuts with  $D < M5$  and  $D > M39$  (with  $m_{\min} < 0,8D$  not conforming to ISO 898-2 nor to ISO 3506-2) have been shifted to informative [Annex A](#); reference to ISO/TR 16224 for appropriate nut design has been added;
- M7 has been added;
- values of  $c_{\max}$  for sizes M1,6 to M2,5 have been amended in accordance with ISO 4759-1;
- $d_{a,\max}$ ,  $d_{w,\min}$  and  $m_{w,\min}$  have been specified with two decimal places;
- $d_{w,\min}$  for sizes  $D \leq M5$  has been changed from  $s_{\min} - IT16$  to  $s_{\min} - IT15$  in order to have a larger bearing surface area and thus less contact pressure;
- for steel nuts, quenching and tempering condition has been specified in accordance with ISO 898-2, and property classes 5 and 12 have been added;
- for stainless steel nuts, grades D4 and D6 and property class 80 have been added;
- non-ferrous metal nuts have been deleted (as a consequence of the withdrawal of ISO 8839);
- specifications for marking and labelling have been added as [Clause 6](#).

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